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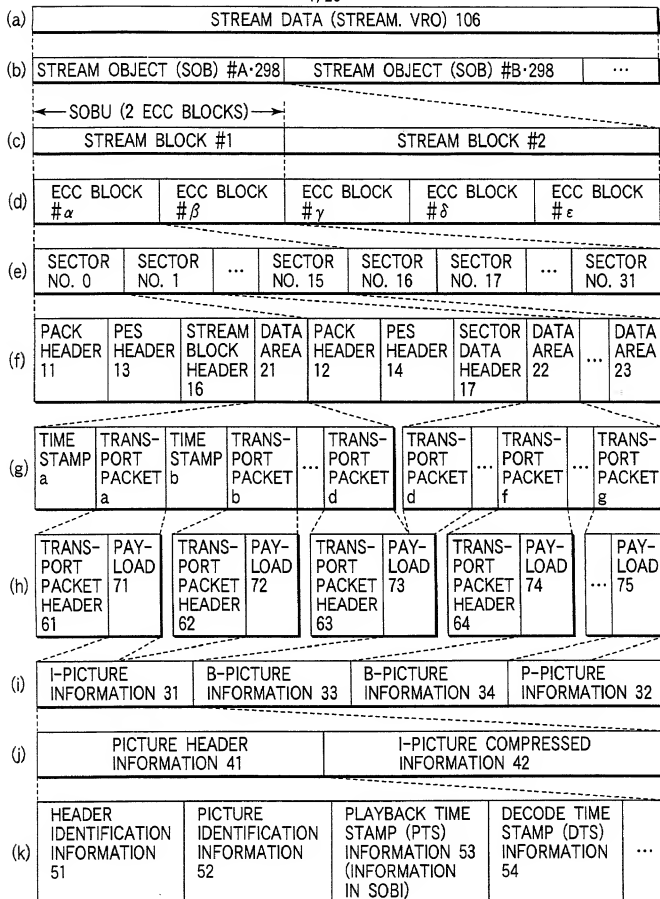


FIG. 1

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ROOT DIRECTORY 100

SUBDIRECTORY 101

DVD\_RTR DIRECTORY (DVD\_RTAV) 102

DATA FILE 103

RTR. IFO (VR\_MANGR. IFO; NAVIGATION DATA) 104

STREAM. IFO (SR\_MANGR. IFO/SR\_MANGR.BUP)  
(NAVIGATION DATA) 105

SR\_PRIVT. DAT/SR\_PRIVT. BUP (NAVIGATION DATA UNIQUE TO  
APPLICATION) 105a

STREAM. VRO (SR\_TRANS. SRO)  
(STREAM DATA) 106

RTR\_MOV. VRO (VR\_MOVIE. VRO; MOVIE REAL-TIME VIDEO  
OBJECT) 107

RTR\_STO. VRO (VR\_STILL. VRO; STILL PICTURE REAL-TIME  
VIDEO OBJECT) 108

RTR\_STA. VRO (VR\_AUDIO. VRO; AUDIO OBJECT OF  
POSTRECORDED AUDIO, ETC.) 109

SUBDIRECTORY 110

VIDEO\_TS (VIDEO TITLE SET) 111

AUDIO\_TS (AUDIO TITLE SET) 112

SUBDIRECTORY FOR SAVING COMPUTER DATA 113

FIG. 2

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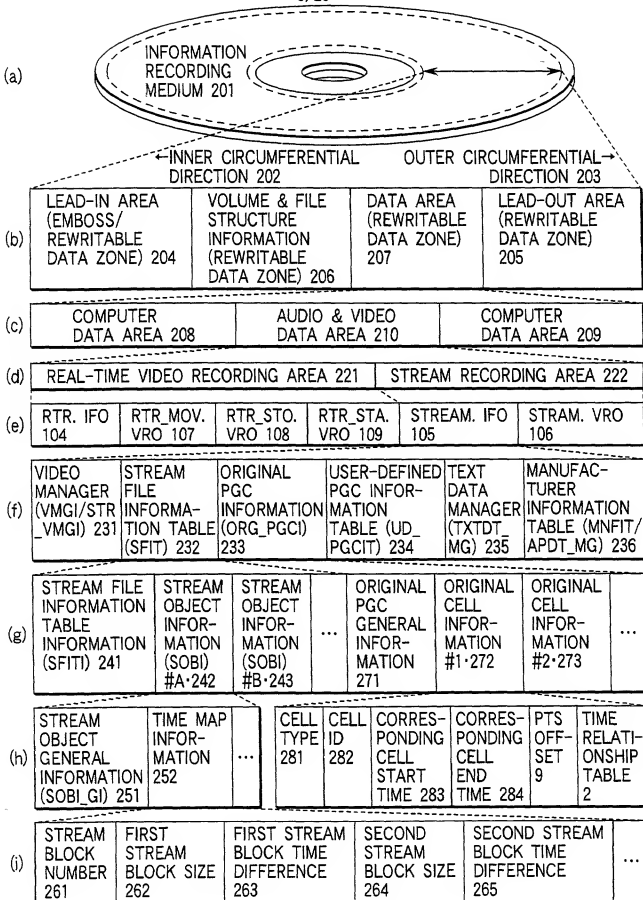


FIG. 3

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2 ECC BLOCKS (32 SECTORS) =  
1 STREAM OBJECT UNIT (SOBU)

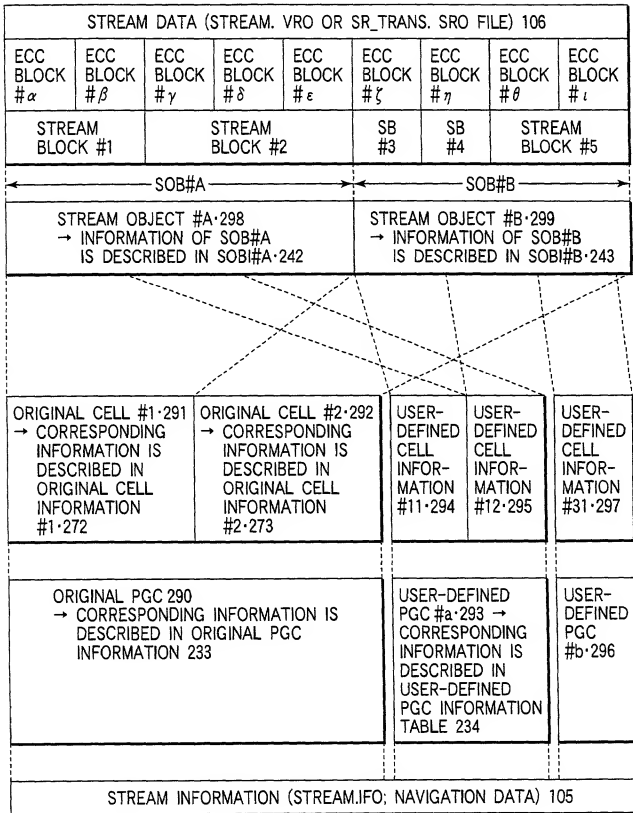


FIG. 4

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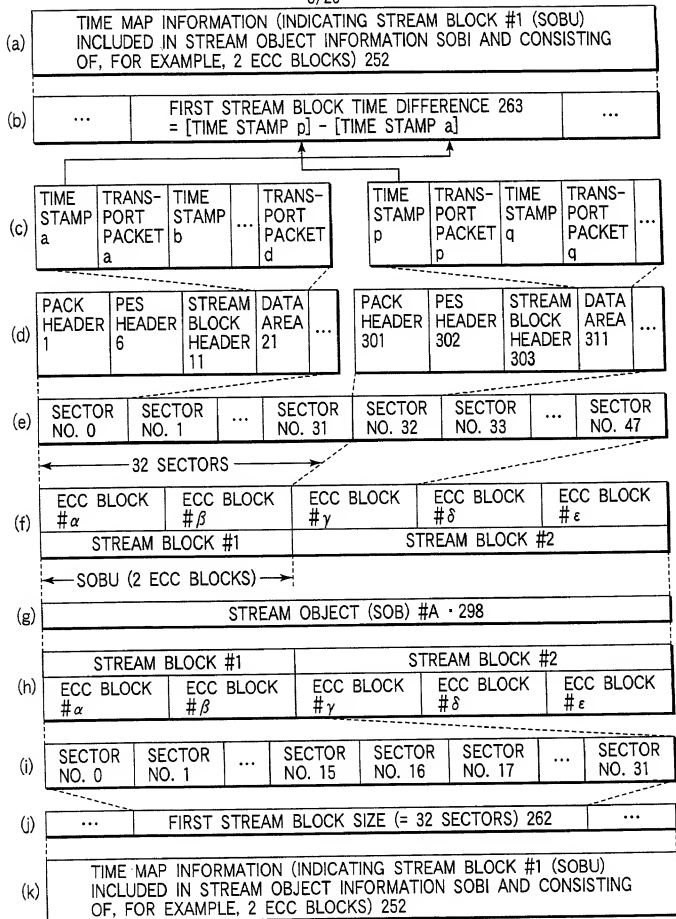


FIG. 5

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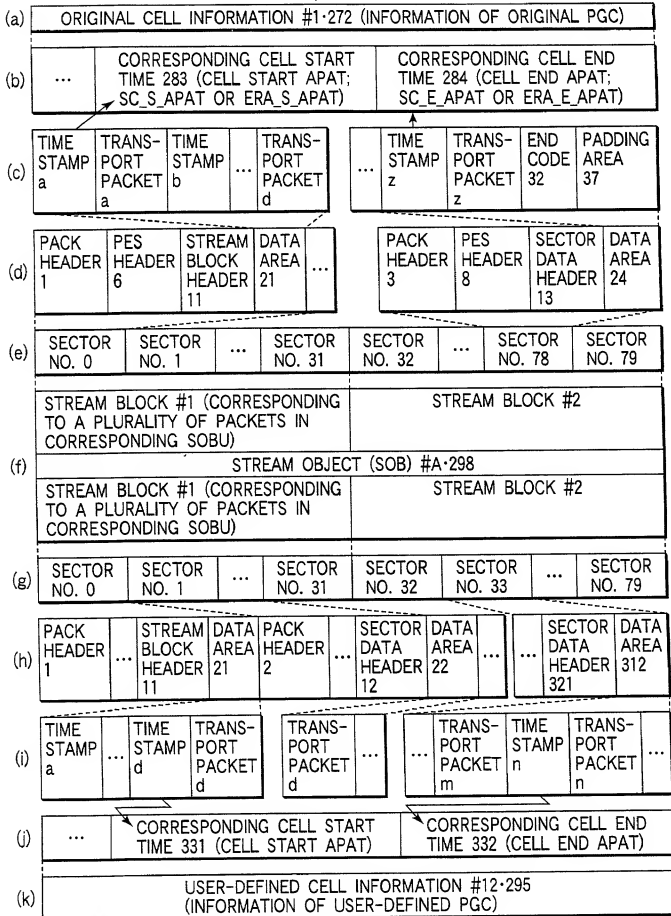


FIG. 6

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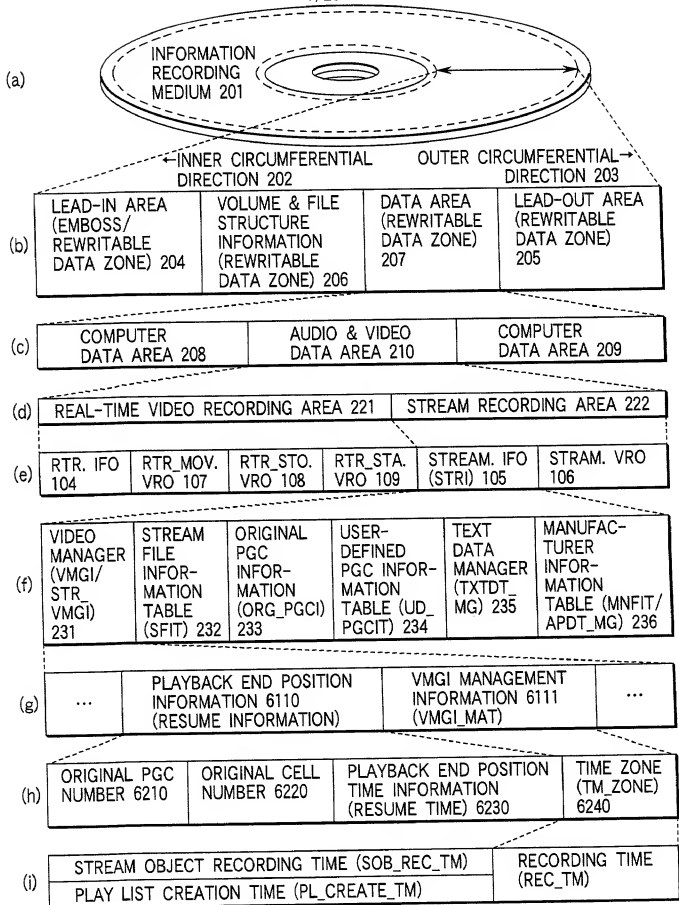


FIG. 7

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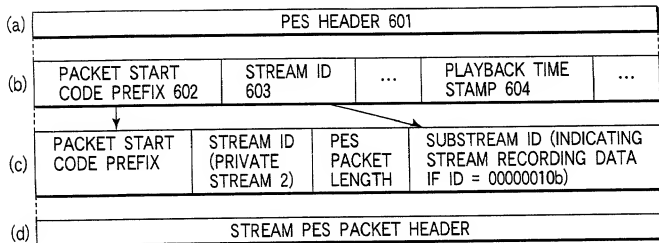


FIG. 8

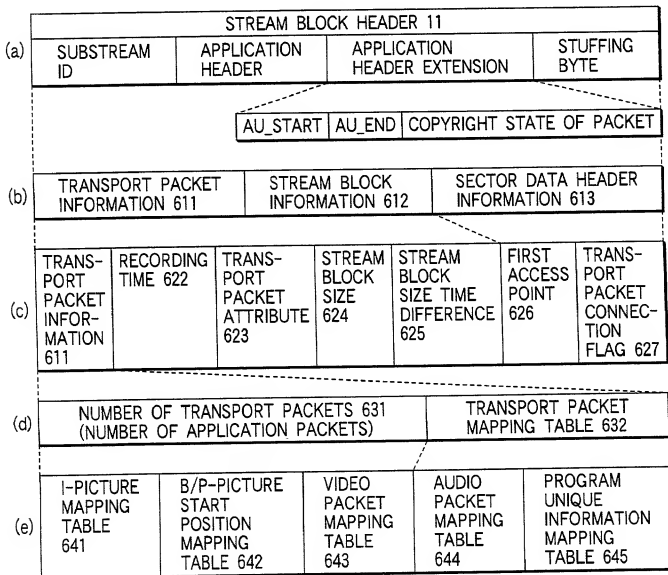


FIG. 9



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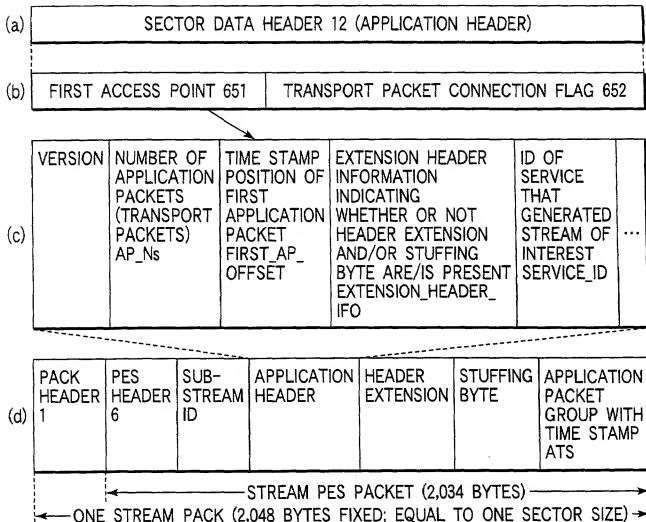


FIG. 10

	FIRST STREAM BLOCK	SECOND STREAM BLOCK
STREAM BLOCK SIZE	FIRST STREAM BLOCK SIZE 262	SECOND STREAM BLOCK SIZE 264
STREAM BLOCK TIME DIFFERENCE	FIRST STREAM BLOCK TIME DIFFERENCE 263	SECOND STREAM BLOCK TIME DIFFERENCE 265
NUMBER OF PACKETS (AP_Ns)	335	328

FIG. 11

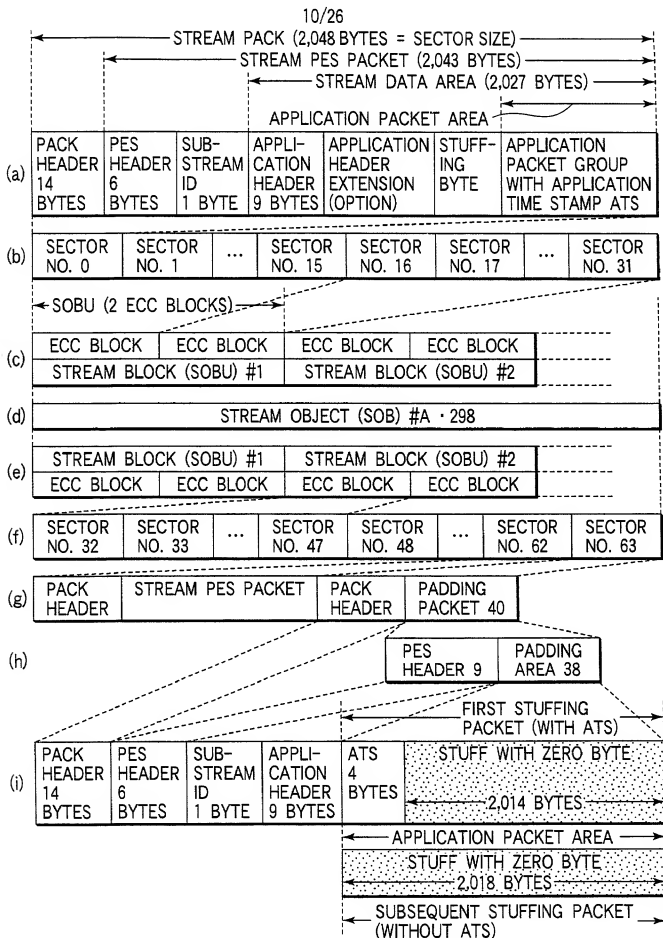


FIG. 12

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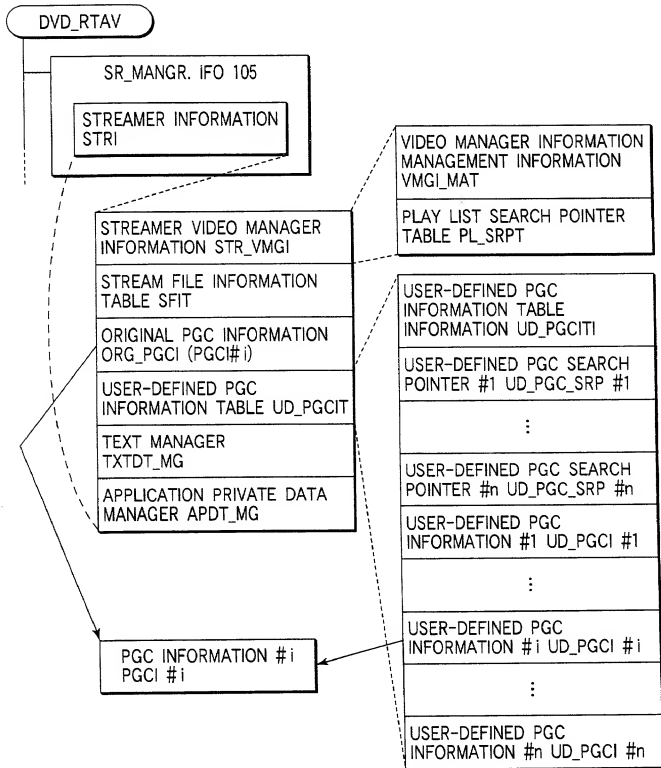


FIG. 13

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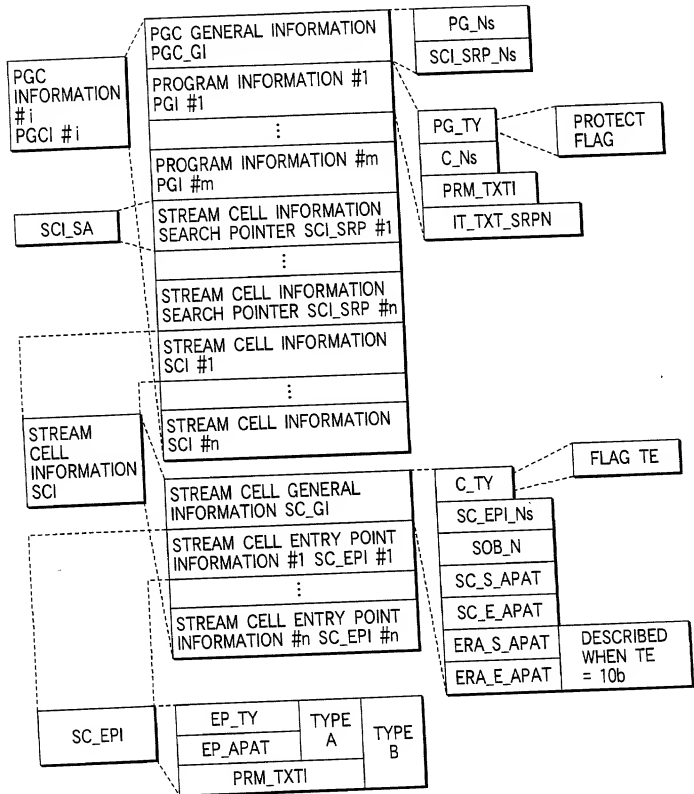


FIG. 14

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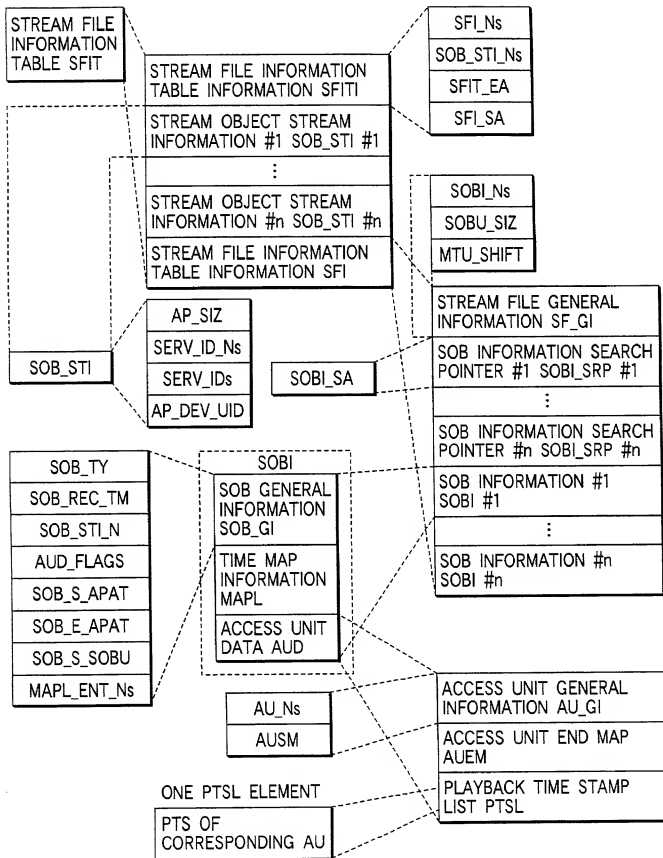


FIG. 15

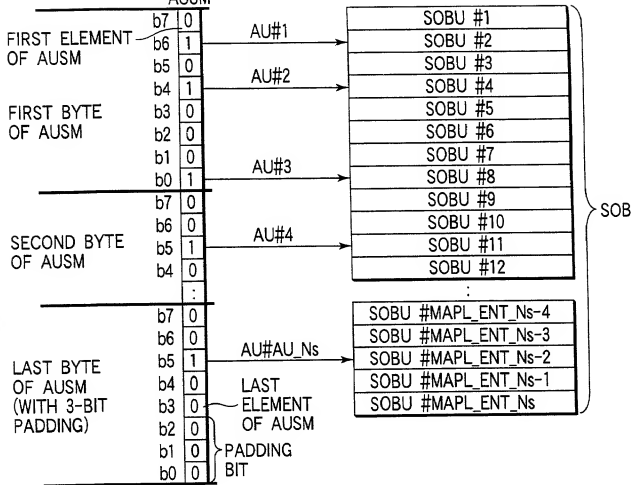


FIG. 16

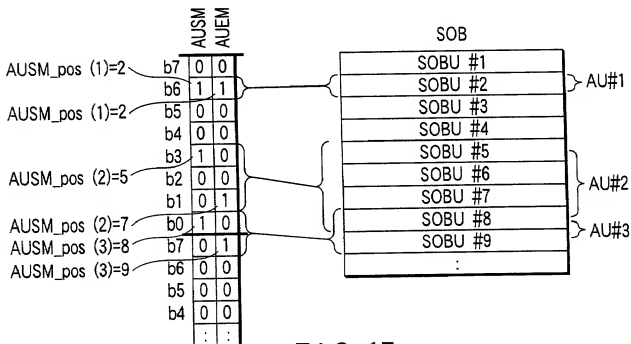


FIG. 17

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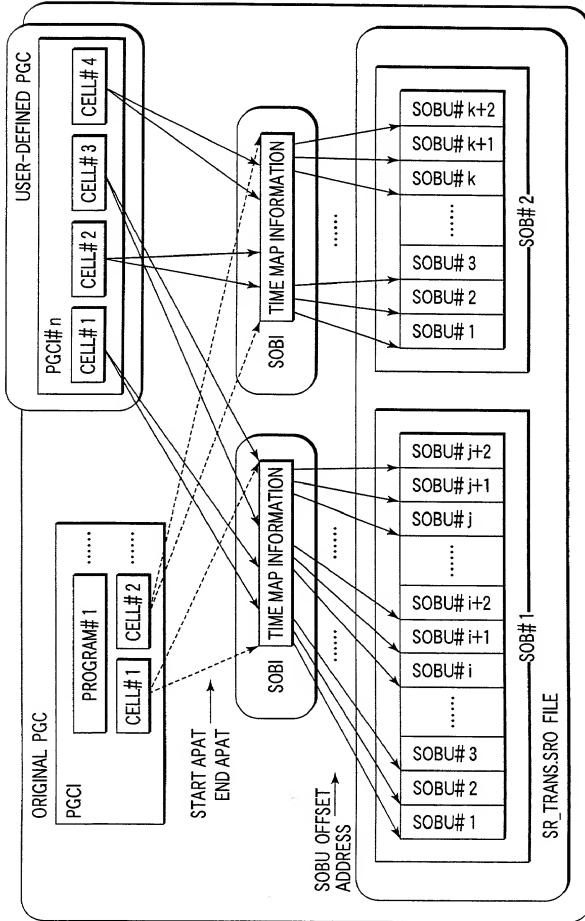


FIG.18

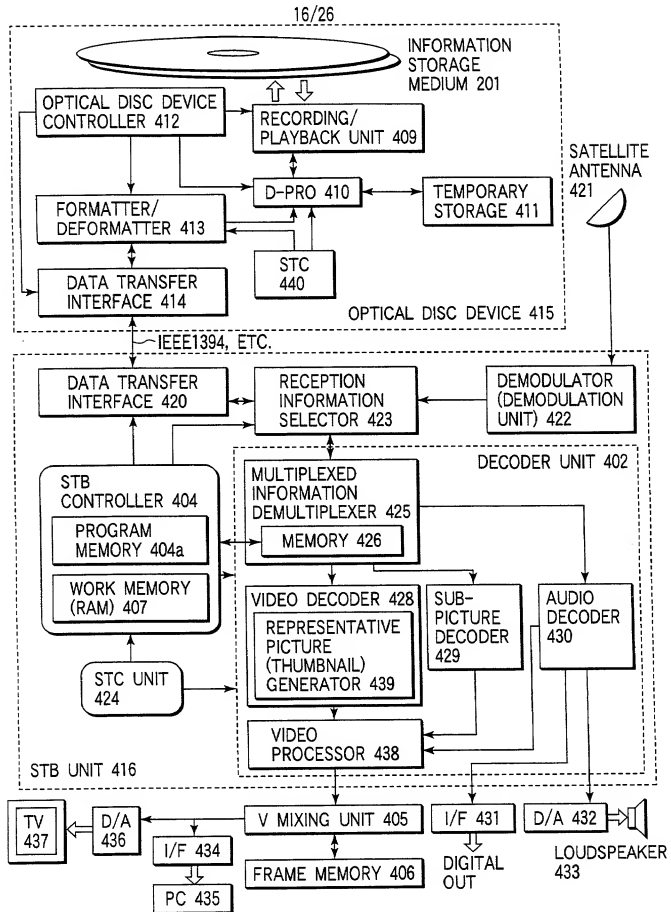


FIG. 19



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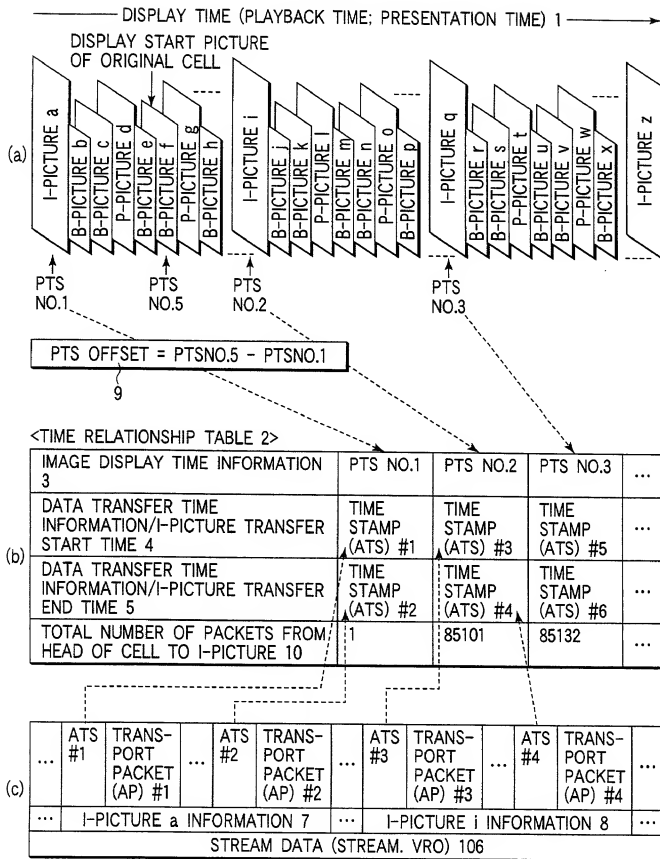


FIG. 20

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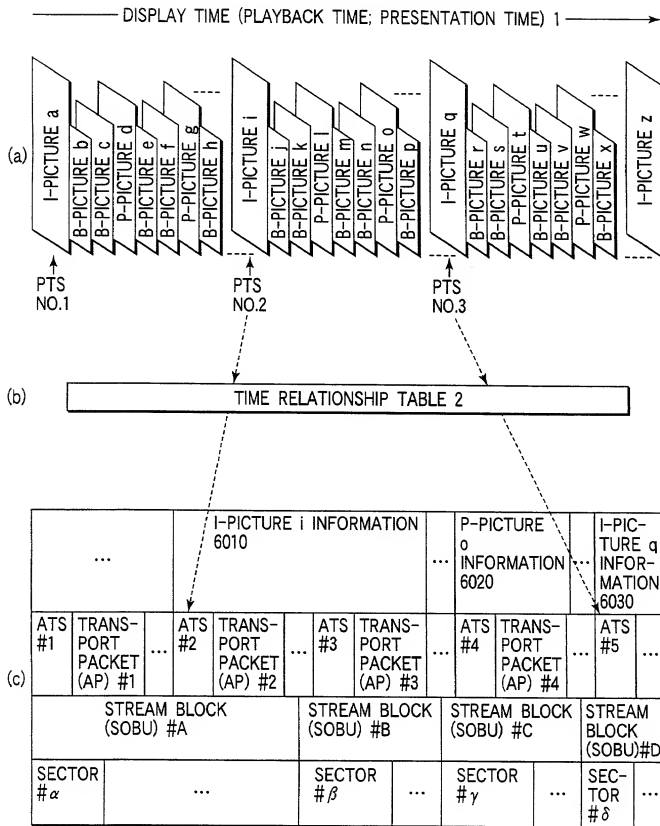


FIG. 21



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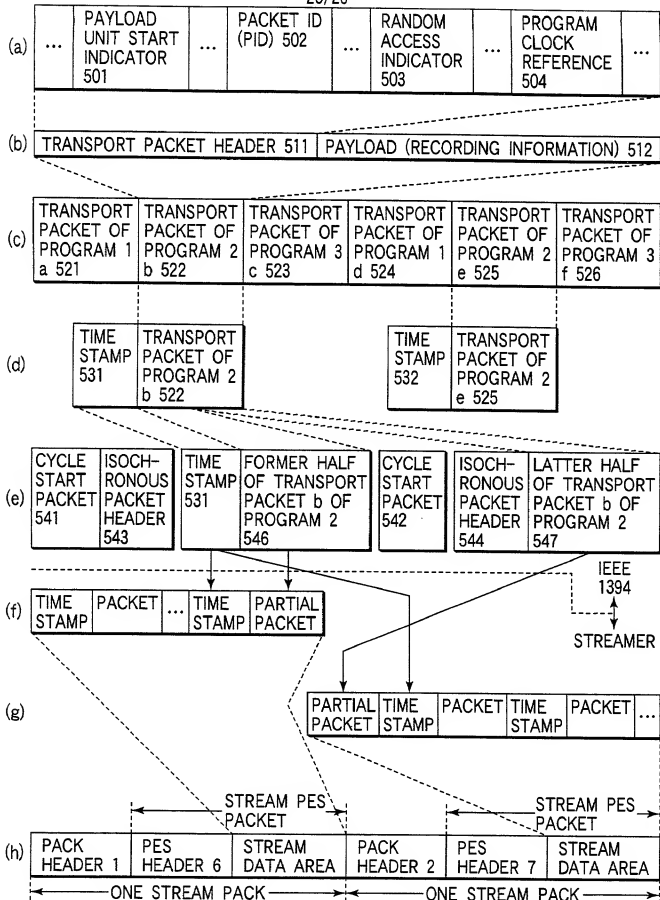


FIG. 23

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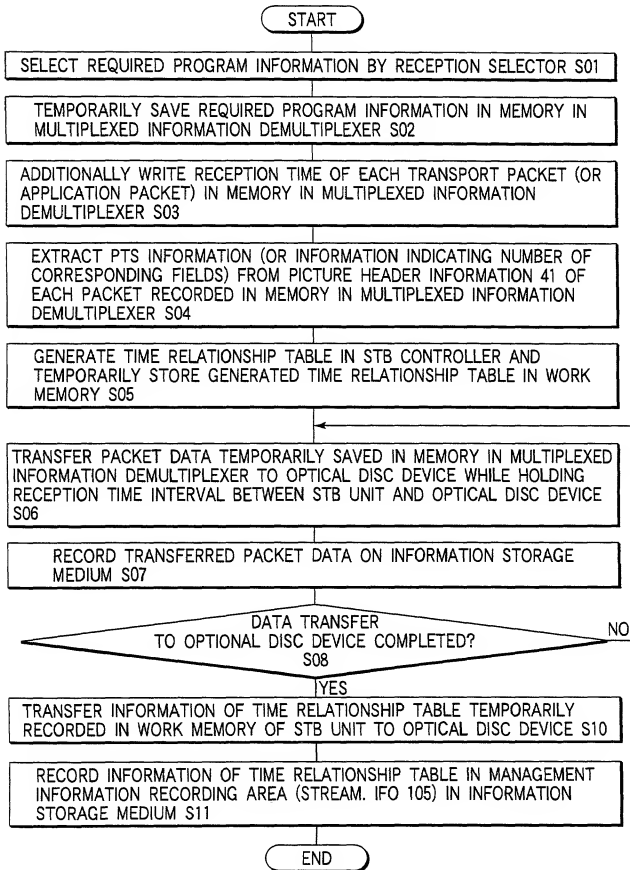


FIG. 24

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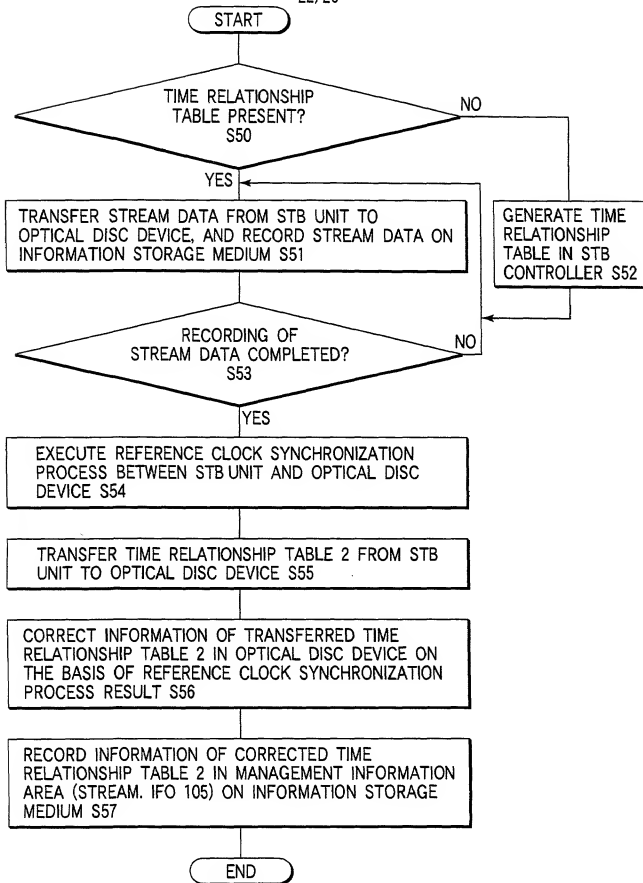


FIG. 25

START 23/26

RECEIVE PLAYBACK START TIME INFORMATION AND PLAYBACK END TIME INFORMATION S21

READ TIME RELATIONSHIP TABLE 2 OF ORIGINAL CELL INFORMATION 272 CORRESPONDING TO PLAYBACK START POSITION OF INTEREST FROM MANAGEMENT INFORMATION RECORDING AREA (STREAM. IFO 105) IN INFORMATION STORAGE MEDIUM, AND TEMPORARILY STORE READ TABLE IN WORK MEMORY IN STB CONTROLLER S22

READ TIME MAP INFORMATION 252 OF STREAM OBJECT INFORMATION (SOBI) 242 CORRESPONDING TO PLAYBACK START POSITION OF INTEREST, AND TEMPORARILY STORE READ INFORMATION IN WORK MEMORY IN STB CONTROLLER S23

CHECK DEFFERENCE BETWEEN DISPLAY START TIME OF ORIGINAL CELL OF INTEREST AND DISPLAY TIME OF IMMEDIATELY PRECEDING I-PICTURE  $a$  FROM VALUE OF PTS OFFSET 9 S24

CHECK POSITION OF I-PICTURE WHICH IS LOCATED IMMEDIATELY BEFORE PLAYBACK START TIME DESIGNATED FROM TIME RELATIONSHIP TABLE 2 S25

CHECK VALUE OF TIME STAMP #2 OF I-PICTURE  $i$  OF INTEREST FROM TIME RELATIONSHIP TABLE 2 S26

CHECK STREAM BLOCK (SOBU) #A THAT INCLUDES TIME STAMP #2 OF I-PICTURE  $i$  OF INTEREST FROM TIME MAP INFORMATION 252, AND THEN CHECK ADDRESS OF FIRST SECTOR # $\alpha$  OF THAT STREAM BLOCK S27

INFORM OPTICAL DISC DEVICE OF ADDRESS OF SECTOR # $\alpha$  OF INTEREST TO MAKE OPTICAL DISC DEVICE ACCESS PREDETERMINED LOCATION OF INFORMATION STORAGE MEDIUM, AND START PLAYBACK S28

STB CONTROLLER INFORMS DECODER UNIT OF INFORMATION OF PTS NO. 6 INDICATING DISPLAY START TIME S29

OPTICAL DISC DEVICE PLAYS BACK INFORMATION FROM HEAD OF STREAM BLOCK (SOBU) #A AND TRANSFERS IT TO MEMORY IN DECODER UNIT S30

READ PICTURE IDENTIFICATION INFORMATION 52 FROM MEMORY IN DECODER UNIT, AND DISCARD (OR IGNORE) DATA BEFORE INPUT I-PICTURE S31

START DECODING FROM HEAD POSITION OF I-PICTURE  $i$ , AND START DISPLAY FROM POSITION OF DESIGNATED PTS NO. 6 S32

REPEAT SAME PROCESSES AS IN STEPS S24 TO S28 TO CHECK ADDRESS ON INFORMATION STORAGE MEDIUM CORRESPONDING TO PLAYBACK END TIME, AND PROCEED WITH PLAYBACK UNTIL END ADDRESS CORRESPONDING TO PLAYBACK END TIME S33

FIG. 26

END

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START

SET "SPECIAL PLAYBACK MODE" FROM STB CONTROLLER IN DECODER UNIT,  
AND SET "I-PICTURE DISPLAY" S41

READ TIME RELATIONSHIP TABLE 2 OF ORIGINAL CELL INFORMATION 272  
CORRESPONDING TO PLAYBACK START POSITION OF INTEREST FROM  
MANAGEMENT INFORMATION RECORDING AREA (STREAM. IFO 105) IN  
INFORMATION STORAGE MEDIUM, AND TEMPORARILY STORE READ TABLE IN  
WORK MEMORY IN STB CONTROLLER S42

READ TIME MAP INFORMATION 252 OF STREAM OBJECT INFORMATION (SOBI)  
242 CORRESPONDING TO PLAYBACK START POSITION OF INTEREST, AND  
TEMPORARILY STORE READ INFORMATION IN WORK MEMORY IN STB  
CONTROLLER S43

EXTRACT TIME STAMP VALUES OF START/END TIMES AT RESPECTIVE I-  
PICTURE POSITIONS FROM TIME RELATIONSHIP TABLE 2 S44

CHECK STREAM BLOCK (SOBU) THAT INCLUDES TIME STAMP VALUE OF EACH  
CORRESPONDING I-PICTURE FROM TIME MAP INFORMATION 252, AND CHECK  
ADDRESS OF FIRST SECTOR OF THAT STREAM BLOCK S45

OPTICAL DISC DEVICE PLAYS BACK INFORMATION IN ALL STREAM BLOCKS  
(SOBUs) INCLUDING RESPECTIVE I-PICTURES ON INFORMATION STORAGE  
MEDIUM, AND TRANSFERS INFORMATION TO MEMORY IN MULTIPLEXED  
INFORMATION DEMULTIPLEXER S46

DECODER UNIT READS PICTURE IDENTIFICATION INFORMATION 52 IN DATA  
TRANSFERRED TO MEMORY IN MULTIPLEXED INFORMATION DEMULTIPLEXER,  
AND DISCARDS DATA OTHER THAN I-PICTURE S47

TRANSFER I-PICTURE DATA SELECTED (NOT DISCARDED) IN MEMORY IN  
MULTIPLEXED INFORMATION DEMULTIPLEXER IN DECODER UNIT TO FRAME  
MEMORY S48

SEQUENTIALLY DISPLAY I-PICTURE DATA TRANSFERRED TO FRAME MEMORY  
ON TV (OR VIDEO MONITOR) S49

END

FIG. 27



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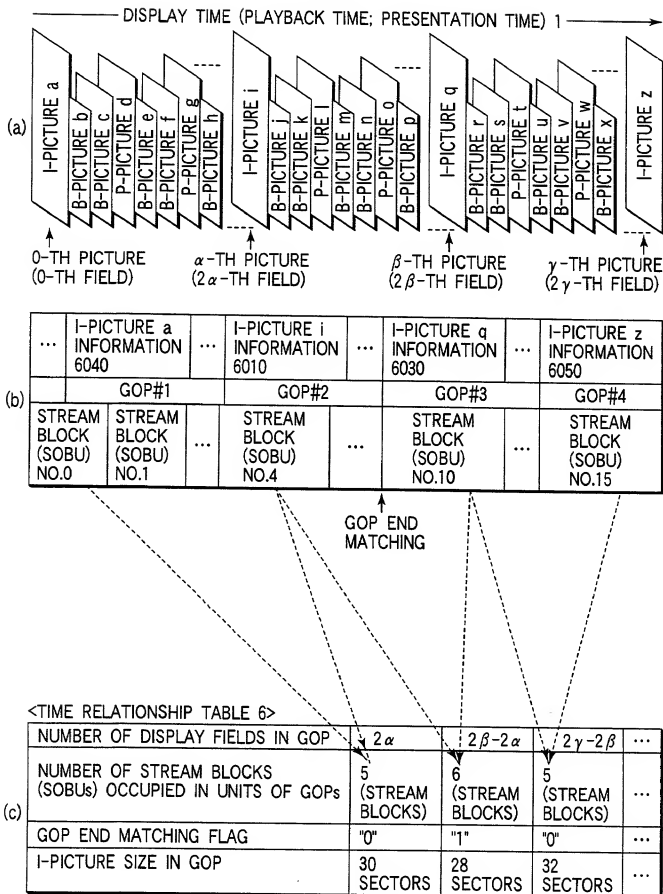


FIG. 28

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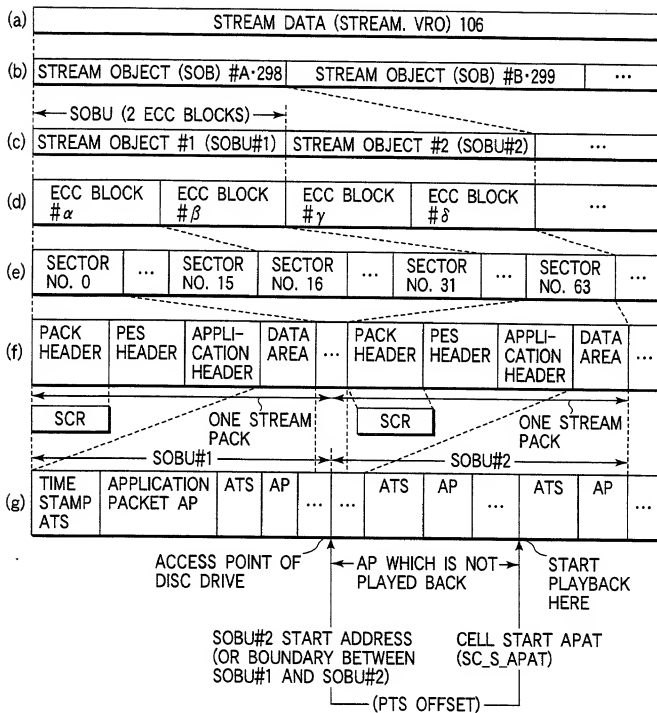


FIG. 29